

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P709346

Luminaire Tested: DL2W-WB-M-050U-125D-930-UNV-STD-W-WM-4

Issue Date: 3/5/2020

Test Information

Test Method: LM-79-2019
Report Number: P709346
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2303-941-2, G3-2104-222-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/5/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: DL2W-WB-M-050U-125D-930-UNV-STD-W-WM-4
Description: CORELITE DISCREET DL2W WALL MOUNT LED LUMINAIRE
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7063.6 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.23 / 1.17
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Direct

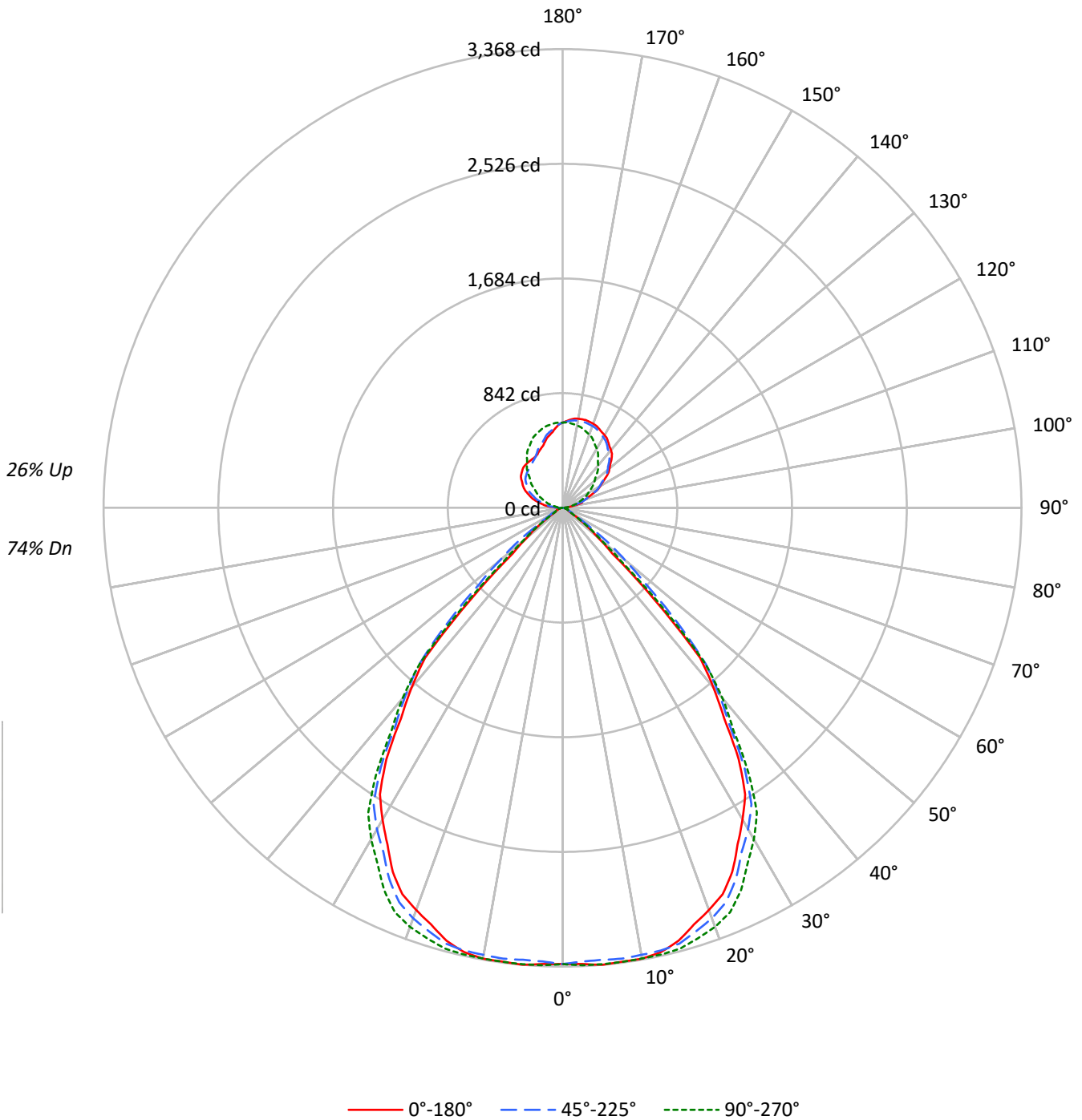
Input Watts (W): 64.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P709346

CATALOG NUMBER: DL2W-WB-M-050U-125D-930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot



TEST NUMBER: P709346

CATALOG NUMBER: DL2W-WB-M-050U-125D-930-UNV-STD-W-WM-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 20 | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | |
| RCR | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 113 | 113 | 113 | 113 | 107 | 107 | 107 | 107 | 97 | 97 | 97 | 87 | 87 | 87 | 78 | 78 | 78 | 74 | | | | 74 |
| 1 | 106 | 102 | 99 | 97 | 101 | 98 | 95 | 93 | 89 | 87 | 85 | 81 | 79 | 78 | 73 | 72 | 71 | | | | 68 | |
| 2 | 99 | 93 | 88 | 84 | 94 | 89 | 84 | 81 | 81 | 78 | 75 | 74 | 72 | 70 | 68 | 66 | 64 | | | | 61 | |
| 3 | 92 | 84 | 78 | 73 | 88 | 81 | 75 | 71 | 74 | 70 | 67 | 68 | 65 | 62 | 63 | 60 | 58 | | | | 55 | |
| 4 | 86 | 77 | 70 | 65 | 82 | 74 | 68 | 63 | 68 | 63 | 60 | 63 | 59 | 56 | 58 | 55 | 53 | | | | 50 | |
| 5 | 80 | 70 | 63 | 58 | 76 | 67 | 61 | 56 | 63 | 58 | 54 | 58 | 54 | 51 | 54 | 51 | 48 | | | | 46 | |
| 6 | 75 | 64 | 57 | 52 | 71 | 62 | 55 | 51 | 58 | 52 | 48 | 54 | 49 | 46 | 50 | 47 | 44 | | | | 42 | |
| 7 | 70 | 59 | 52 | 47 | 67 | 57 | 51 | 46 | 53 | 48 | 44 | 50 | 45 | 42 | 47 | 43 | 40 | | | | 38 | |
| 8 | 66 | 54 | 47 | 43 | 63 | 53 | 46 | 42 | 49 | 44 | 40 | 46 | 42 | 38 | 43 | 40 | 37 | | | | 35 | |
| 9 | 62 | 50 | 44 | 39 | 59 | 49 | 43 | 38 | 46 | 41 | 37 | 43 | 39 | 35 | 41 | 37 | 34 | | | | 32 | |
| 10 | 58 | 47 | 40 | 36 | 56 | 45 | 39 | 35 | 43 | 37 | 34 | 40 | 36 | 33 | 38 | 34 | 31 | | | | 30 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 54077 | 54077 | 54077 | 54077 | 54077 |
| 5° | 54579 | 53986 | 54501 | 53986 | 54579 |
| 10° | 55100 | 54644 | 55085 | 54644 | 55100 |
| 15° | 55005 | 55362 | 55968 | 55362 | 55005 |
| 20° | 53983 | 55098 | 56244 | 55098 | 53983 |
| 25° | 52533 | 53597 | 55184 | 53597 | 52533 |
| 30° | 49264 | 50781 | 52361 | 50781 | 49264 |
| 35° | 44415 | 45849 | 46952 | 45849 | 44415 |
| 40° | 36320 | 37693 | 38545 | 37693 | 36320 |
| 45° | 21866 | 27223 | 24103 | 27223 | 21866 |
| 50° | 8518 | 15123 | 9530 | 15123 | 8518 |
| 55° | 4569 | 6853 | 4622 | 6853 | 4569 |
| 60° | 1986 | 3389 | 2170 | 3389 | 1986 |
| 65° | 1872 | 2071 | 1945 | 2071 | 1872 |
| 70° | 1770 | 1950 | 1902 | 1950 | 1770 |
| 75° | 1678 | 1865 | 1859 | 1865 | 1678 |
| 80° | 1609 | 1795 | 1785 | 1795 | 1609 |
| 85° | 1593 | 1621 | 1593 | 1621 | 1593 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 60°
 Vertical Angle: 45°
 Luminance: 27414 cd/sqm

TEST NUMBER: P709346

CATALOG NUMBER: DL2W-WB-M-050U-125D-930-UNV-STD-W-WM-4

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 320.0 | 4.5 |
| 10°-20° | 935.4 | 13.2 |
| 20°-30° | 1382.9 | 19.6 |
| 30°-40° | 1428.9 | 20.2 |
| 40°-50° | 859.8 | 12.2 |
| 50°-60° | 206.4 | 2.9 |
| 60°-70° | 56.4 | 0.8 |
| 70°-80° | 31.4 | 0.4 |
| 80°-90° | 12.5 | 0.2 |
| 90°-100° | 50.0 | 0.7 |
| 100°-110° | 145.5 | 2.1 |
| 110°-120° | 237.3 | 3.4 |
| 120°-130° | 301.2 | 4.3 |
| 130°-140° | 322.2 | 4.6 |
| 140°-150° | 300.8 | 4.3 |
| 150°-160° | 247.7 | 3.5 |
| 160°-170° | 166.1 | 2.4 |
| 170°-180° | 59.0 | 0.8 |
| 0°-30° | 2638.4 | 37.4 |
| 0°-40° | 4067.3 | 57.6 |
| 0°-60° | 5133.5 | 72.7 |
| 0°-90° | 5233.8 | 74.1 |
| 90°-120° | 432.8 | 6.1 |
| 90°-150° | 1357.0 | 19.2 |
| 90°-180° | 1830.0 | 25.9 |
| 0°-180° | 7063.6 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|------|------|------|------|------|------|
| 0° | 3349 | 3349 | 3349 | 3349 | 3349 | |
| 5° | 3368 | 3331 | 3363 | 3331 | 3368 | 321 |
| 15° | 3291 | 3312 | 3348 | 3312 | 3291 | 924 |
| 25° | 2949 | 3009 | 3098 | 3009 | 2949 | 1346 |
| 35° | 2253 | 2326 | 2382 | 2326 | 2253 | 1382 |
| 45° | 958 | 1192 | 1056 | 1192 | 958 | 753 |
| 55° | 162 | 243 | 164 | 243 | 162 | 158 |
| 65° | 49 | 54 | 51 | 54 | 49 | 48 |
| 75° | 27 | 30 | 30 | 30 | 27 | 29 |
| 85° | 9 | 9 | 9 | 9 | 9 | 9 |
| 90° | 14 | 12 | 2 | 18 | 29 | 7 |
| 95° | 14 | 19 | 19 | 64 | 88 | 25 |
| 105° | 149 | 112 | 91 | 166 | 205 | 139 |
| 115° | 243 | 245 | 176 | 263 | 303 | 243 |
| 125° | 387 | 375 | 263 | 328 | 370 | 345 |
| 135° | 509 | 484 | 357 | 368 | 411 | 390 |
| 145° | 586 | 568 | 455 | 391 | 419 | 367 |
| 155° | 639 | 623 | 540 | 445 | 435 | 295 |
| 165° | 666 | 649 | 597 | 521 | 500 | 188 |
| 175° | 650 | 642 | 625 | 598 | 589 | 63 |
| 180° | 626 | 626 | 626 | 626 | 626 | |

TEST NUMBER: P709346

CATALOG NUMBER: DL2W-WB-M-050U-125D-930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3349.3 | 3349.3 | 3349.3 | 3349.3 | 3349.3 | 3349.3 | 3349.3 | 3349.3 | 3349.3 | 3349.3 | 3349.3 |
| 2.5° | 3352.4 | 3354.8 | 3357.2 | 3347.5 | 3333.8 | 3332.8 | 3344.4 | 3354.1 | 3357.8 | 3361.6 | 3357.8 |
| 5° | 3367.5 | 3368.4 | 3369.3 | 3353.8 | 3332.9 | 3329.0 | 3342.3 | 3353.4 | 3358.1 | 3362.7 | 3358.1 |
| 7.5° | 3360.1 | 3363.4 | 3366.7 | 3355.4 | 3339.3 | 3336.9 | 3348.1 | 3357.2 | 3359.7 | 3362.2 | 3359.7 |
| 10° | 3360.8 | 3362.1 | 3363.4 | 3350.6 | 3333.1 | 3332.9 | 3349.9 | 3362.4 | 3361.1 | 3359.9 | 3361.1 |
| 12.5° | 3340.8 | 3344.2 | 3347.5 | 3339.1 | 3326.7 | 3331.8 | 3354.3 | 3369.8 | 3364.0 | 3358.3 | 3364.0 |
| 15° | 3290.7 | 3297.1 | 3303.5 | 3304.8 | 3304.4 | 3319.7 | 3350.9 | 3371.4 | 3359.9 | 3348.3 | 3359.9 |
| 17.5° | 3207.9 | 3216.0 | 3224.1 | 3234.9 | 3246.6 | 3272.7 | 3313.1 | 3339.8 | 3325.8 | 3311.8 | 3325.8 |
| 20° | 3141.8 | 3149.9 | 3158.1 | 3173.2 | 3190.7 | 3222.7 | 3269.3 | 3300.7 | 3287.1 | 3273.4 | 3287.1 |
| 22.5° | 3070.4 | 3077.1 | 3083.9 | 3098.9 | 3116.8 | 3151.5 | 3203.2 | 3238.8 | 3226.1 | 3213.5 | 3226.1 |
| 25° | 2948.8 | 2952.6 | 2956.5 | 2971.5 | 2990.3 | 3026.8 | 3081.0 | 3119.0 | 3108.3 | 3097.6 | 3108.3 |
| 27.5° | 2783.8 | 2790.3 | 2796.9 | 2812.3 | 2830.7 | 2864.7 | 2914.4 | 2950.5 | 2946.0 | 2941.5 | 2946.0 |
| 30° | 2642.4 | 2654.7 | 2667.1 | 2686.5 | 2708.3 | 2739.3 | 2779.4 | 2809.4 | 2809.0 | 2808.5 | 2809.0 |
| 32.5° | 2494.1 | 2509.5 | 2525.0 | 2545.2 | 2566.9 | 2593.3 | 2624.2 | 2648.1 | 2651.1 | 2654.1 | 2651.1 |
| 35° | 2253.4 | 2265.7 | 2278.1 | 2295.9 | 2315.6 | 2336.7 | 2359.3 | 2376.9 | 2379.5 | 2382.1 | 2379.5 |
| 37.5° | 1946.8 | 1959.2 | 1971.7 | 1987.5 | 2004.4 | 2023.6 | 2045.2 | 2061.6 | 2062.0 | 2062.4 | 2062.0 |
| 40° | 1723.2 | 1730.8 | 1738.5 | 1756.5 | 1777.8 | 1798.9 | 1819.8 | 1834.8 | 1831.8 | 1828.8 | 1831.8 |
| 42.5° | 1494.2 | 1499.1 | 1504.1 | 1522.9 | 1546.3 | 1567.0 | 1585.2 | 1593.3 | 1571.2 | 1549.1 | 1571.2 |
| 45° | 957.6 | 1037.5 | 1117.3 | 1157.7 | 1185.1 | 1199.4 | 1200.6 | 1185.4 | 1120.5 | 1055.6 | 1120.5 |
| 47.5° | 495.8 | 574.0 | 652.2 | 735.4 | 820.3 | 840.2 | 795.1 | 743.8 | 673.8 | 603.8 | 673.8 |
| 50° | 339.1 | 369.8 | 400.5 | 487.0 | 592.0 | 612.1 | 547.2 | 485.3 | 432.3 | 379.4 | 432.3 |
| 52.5° | 253.0 | 268.0 | 283.1 | 350.2 | 434.7 | 443.9 | 377.6 | 321.4 | 295.5 | 269.5 | 295.5 |
| 55° | 162.3 | 168.7 | 175.1 | 204.9 | 242.5 | 244.4 | 210.7 | 183.0 | 173.6 | 164.2 | 173.6 |
| 57.5° | 99.9 | 108.3 | 116.6 | 129.6 | 144.1 | 144.2 | 130.0 | 117.1 | 108.3 | 99.5 | 108.3 |
| 60° | 61.5 | 69.2 | 76.8 | 89.6 | 104.2 | 105.7 | 94.1 | 83.5 | 75.3 | 67.2 | 75.3 |
| 62.5° | 55.3 | 58.2 | 61.1 | 70.4 | 81.9 | 82.9 | 73.4 | 65.5 | 62.5 | 59.6 | 62.5 |
| 65° | 49.0 | 49.8 | 50.7 | 52.2 | 53.9 | 54.5 | 54.1 | 53.5 | 52.2 | 50.9 | 52.2 |
| 67.5° | 42.1 | 43.4 | 44.6 | 45.3 | 45.7 | 46.1 | 46.6 | 46.7 | 45.8 | 45.0 | 45.8 |
| 70° | 37.5 | 38.7 | 40.0 | 40.7 | 41.1 | 41.5 | 41.9 | 42.0 | 41.2 | 40.3 | 41.2 |
| 72.5° | 33.6 | 34.6 | 35.5 | 36.1 | 36.5 | 36.9 | 37.3 | 37.4 | 36.6 | 35.7 | 36.6 |
| 75° | 26.9 | 27.7 | 28.6 | 29.1 | 29.6 | 30.2 | 31.1 | 31.5 | 30.6 | 29.8 | 30.6 |
| 77.5° | 21.1 | 22.0 | 22.8 | 23.3 | 23.6 | 24.0 | 24.5 | 24.6 | 23.8 | 23.1 | 23.8 |
| 80° | 17.3 | 18.1 | 19.0 | 19.2 | 19.2 | 19.4 | 19.9 | 20.1 | 19.6 | 19.2 | 19.6 |
| 82.5° | 13.4 | 14.0 | 14.5 | 14.6 | 14.6 | 14.8 | 15.2 | 15.5 | 15.5 | 15.4 | 15.5 |
| 85° | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 | 8.9 | 9.3 | 9.5 | 9.1 | 8.6 | 9.1 |
| 87.5° | 5.0 | 5.3 | 5.7 | 5.8 | 5.6 | 5.6 | 5.2 | 4.6 | 4.0 | 3.5 | 4.0 |
| 90° | 13.5 | 13.5 | 13.5 | 13.5 | 12.5 | 12.5 | 10.6 | 7.7 | 4.8 | 1.9 | 4.8 |
| 92.5° | 16.5 | 16.5 | 15.8 | 15.8 | 14.8 | 13.3 | 11.3 | 10.8 | 11.7 | 6.5 | 12.5 |
| 95° | 14.4 | 14.4 | 14.4 | 14.4 | 16.4 | 22.1 | 30.8 | 32.7 | 22.1 | 19.2 | 26.9 |
| 97.5° | 34.0 | 36.4 | 39.6 | 47.7 | 56.2 | 60.6 | 56.9 | 41.4 | 40.0 | 38.3 | 51.2 |
| 100° | 70.2 | 70.2 | 75.0 | 80.8 | 92.3 | 76.0 | 57.7 | 56.7 | 53.9 | 52.9 | 67.3 |
| 102.5° | 111.0 | 113.3 | 115.8 | 117.0 | 90.8 | 82.1 | 79.3 | 73.7 | 69.2 | 68.3 | 83.5 |
| 105° | 149.1 | 142.3 | 122.1 | 110.6 | 110.6 | 112.5 | 110.6 | 103.9 | 94.3 | 91.4 | 107.7 |
| 107.5° | 145.8 | 142.9 | 145.4 | 146.6 | 151.2 | 149.8 | 145.8 | 133.5 | 120.0 | 117.5 | 132.0 |
| 110° | 171.2 | 172.2 | 173.1 | 175.0 | 178.9 | 176.0 | 171.2 | 155.8 | 138.5 | 133.7 | 148.1 |

TEST NUMBER: P709346

CATALOG NUMBER: DL2W-WB-M-050U-125D-930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 0° | 10° | 20° | 30° | 40° | 50° | 60° | 70° | 80° | 90° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 201.2 | 200.6 | 203.1 | 204.3 | 204.3 | 202.9 | 195.1 | 175.8 | 157.0 | 151.4 | 164.3 |
| 115° | 243.3 | 245.3 | 246.2 | 247.2 | 246.2 | 244.3 | 229.9 | 208.7 | 185.6 | 176.0 | 187.6 |
| 117.5° | 291.8 | 287.4 | 288.7 | 289.5 | 290.1 | 283.2 | 267.4 | 242.4 | 215.6 | 201.4 | 210.2 |
| 120° | 320.3 | 317.4 | 316.4 | 316.4 | 315.5 | 307.8 | 290.5 | 265.5 | 235.6 | 218.3 | 224.1 |
| 122.5° | 345.7 | 345.1 | 344.9 | 344.1 | 343.9 | 333.2 | 314.3 | 287.8 | 257.2 | 236.0 | 237.9 |
| 125° | 386.6 | 387.6 | 384.7 | 380.9 | 379.9 | 370.3 | 350.1 | 322.2 | 289.5 | 262.6 | 259.7 |
| 127.5° | 425.5 | 427.4 | 424.3 | 422.2 | 417.0 | 403.8 | 384.5 | 356.6 | 320.1 | 289.9 | 280.5 |
| 130° | 450.1 | 452.0 | 448.2 | 445.3 | 438.6 | 426.1 | 406.8 | 378.9 | 342.4 | 306.8 | 294.3 |
| 132.5° | 474.7 | 475.1 | 471.3 | 467.6 | 460.1 | 447.6 | 428.4 | 401.3 | 362.4 | 326.8 | 310.5 |
| 135° | 508.8 | 509.8 | 504.9 | 500.1 | 488.6 | 479.0 | 460.7 | 433.8 | 394.3 | 356.8 | 334.7 |
| 137.5° | 536.9 | 537.1 | 532.8 | 525.7 | 518.0 | 505.7 | 488.8 | 463.4 | 427.0 | 386.6 | 358.6 |
| 140° | 553.0 | 554.0 | 548.2 | 543.4 | 535.7 | 524.2 | 508.8 | 481.9 | 446.3 | 405.9 | 377.0 |
| 142.5° | 566.9 | 567.8 | 563.6 | 558.8 | 551.1 | 539.6 | 525.7 | 500.3 | 465.5 | 425.9 | 394.7 |
| 145° | 585.7 | 588.6 | 584.8 | 580.0 | 573.2 | 562.7 | 548.2 | 525.1 | 493.4 | 454.9 | 420.3 |
| 147.5° | 605.7 | 605.9 | 603.0 | 600.2 | 592.5 | 581.1 | 570.7 | 547.6 | 517.4 | 483.6 | 447.4 |
| 150° | 616.5 | 617.5 | 614.6 | 611.7 | 604.0 | 593.4 | 583.8 | 560.7 | 532.8 | 502.1 | 467.4 |
| 152.5° | 625.7 | 627.5 | 625.4 | 621.7 | 614.8 | 603.4 | 594.6 | 573.0 | 547.5 | 518.2 | 485.1 |
| 155° | 638.6 | 641.5 | 639.6 | 635.7 | 628.1 | 617.5 | 608.8 | 590.5 | 566.5 | 540.5 | 510.7 |
| 157.5° | 650.9 | 653.6 | 651.5 | 646.9 | 639.0 | 629.6 | 621.3 | 604.0 | 583.6 | 560.9 | 533.6 |
| 160° | 657.9 | 659.8 | 656.9 | 653.1 | 644.4 | 635.7 | 629.0 | 611.7 | 594.4 | 573.2 | 548.2 |
| 162.5° | 661.7 | 664.4 | 661.5 | 656.9 | 648.3 | 640.4 | 634.4 | 618.6 | 602.1 | 583.2 | 561.3 |
| 165° | 666.5 | 667.5 | 665.6 | 661.7 | 652.1 | 645.4 | 640.6 | 628.1 | 612.7 | 597.3 | 580.0 |
| 167.5° | 666.1 | 670.0 | 667.1 | 663.4 | 653.1 | 648.3 | 643.8 | 632.7 | 621.3 | 608.4 | 595.5 |
| 170° | 664.6 | 668.5 | 665.6 | 662.7 | 653.1 | 648.3 | 645.4 | 635.7 | 625.2 | 614.6 | 604.0 |
| 172.5° | 660.8 | 663.8 | 661.7 | 658.8 | 650.0 | 645.9 | 644.6 | 636.5 | 627.5 | 619.2 | 610.2 |
| 175° | 650.2 | 654.0 | 653.1 | 650.2 | 642.5 | 640.6 | 641.5 | 635.7 | 630.0 | 625.2 | 618.4 |
| 177.5° | 636.9 | 640.8 | 639.2 | 637.7 | 632.3 | 631.5 | 634.6 | 631.5 | 628.4 | 626.9 | 623.8 |
| 180° | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 |

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CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 3349.3 | 3349.3 | 3349.3 | 3349.3 | 3349.3 | 3349.3 | 3349.3 | 3349.3 |
| 2.5° | 3354.1 | 3344.4 | 3332.8 | 3333.8 | 3347.5 | 3357.2 | 3354.8 | 3352.4 |
| 5° | 3353.4 | 3342.3 | 3329.0 | 3332.9 | 3353.8 | 3369.3 | 3368.4 | 3367.5 |
| 7.5° | 3357.2 | 3348.1 | 3336.9 | 3339.3 | 3355.4 | 3366.7 | 3363.4 | 3360.1 |
| 10° | 3362.4 | 3349.9 | 3332.9 | 3333.1 | 3350.6 | 3363.4 | 3362.1 | 3360.8 |
| 12.5° | 3369.8 | 3354.3 | 3331.8 | 3326.7 | 3339.1 | 3347.5 | 3344.2 | 3340.8 |
| 15° | 3371.4 | 3350.9 | 3319.7 | 3304.4 | 3304.8 | 3303.5 | 3297.1 | 3290.7 |
| 17.5° | 3339.8 | 3313.1 | 3272.7 | 3246.6 | 3234.9 | 3224.1 | 3216.0 | 3207.9 |
| 20° | 3300.7 | 3269.3 | 3222.7 | 3190.7 | 3173.2 | 3158.1 | 3149.9 | 3141.8 |
| 22.5° | 3238.8 | 3203.2 | 3151.5 | 3116.8 | 3098.9 | 3083.9 | 3077.1 | 3070.4 |
| 25° | 3119.0 | 3081.0 | 3026.8 | 2990.3 | 2971.5 | 2956.5 | 2952.6 | 2948.8 |
| 27.5° | 2950.5 | 2914.4 | 2864.7 | 2830.7 | 2812.3 | 2796.9 | 2790.3 | 2783.8 |
| 30° | 2809.4 | 2779.4 | 2739.3 | 2708.3 | 2686.5 | 2667.1 | 2654.7 | 2642.4 |
| 32.5° | 2648.1 | 2624.2 | 2593.3 | 2566.9 | 2545.2 | 2525.0 | 2509.5 | 2494.1 |
| 35° | 2376.9 | 2359.3 | 2336.7 | 2315.6 | 2295.9 | 2278.1 | 2265.7 | 2253.4 |
| 37.5° | 2061.6 | 2045.2 | 2023.6 | 2004.4 | 1987.5 | 1971.7 | 1959.2 | 1946.8 |
| 40° | 1834.8 | 1819.8 | 1798.9 | 1777.8 | 1756.5 | 1738.5 | 1730.8 | 1723.2 |
| 42.5° | 1593.3 | 1585.2 | 1567.0 | 1546.3 | 1522.9 | 1504.1 | 1499.1 | 1494.2 |
| 45° | 1185.4 | 1200.6 | 1199.4 | 1185.1 | 1157.7 | 1117.3 | 1037.5 | 957.6 |
| 47.5° | 743.8 | 795.1 | 840.2 | 820.3 | 735.4 | 652.2 | 574.0 | 495.8 |
| 50° | 485.3 | 547.2 | 612.1 | 592.0 | 487.0 | 400.5 | 369.8 | 339.1 |
| 52.5° | 321.4 | 377.6 | 443.9 | 434.7 | 350.2 | 283.1 | 268.0 | 253.0 |
| 55° | 183.0 | 210.7 | 244.4 | 242.5 | 204.9 | 175.1 | 168.7 | 162.3 |
| 57.5° | 117.1 | 130.0 | 144.2 | 144.1 | 129.6 | 116.6 | 108.3 | 99.9 |
| 60° | 83.5 | 94.1 | 105.7 | 104.2 | 89.6 | 76.8 | 69.2 | 61.5 |
| 62.5° | 65.5 | 73.4 | 82.9 | 81.9 | 70.4 | 61.1 | 58.2 | 55.3 |
| 65° | 53.5 | 54.1 | 54.5 | 53.9 | 52.2 | 50.7 | 49.8 | 49.0 |
| 67.5° | 46.7 | 46.6 | 46.1 | 45.7 | 45.3 | 44.6 | 43.4 | 42.1 |
| 70° | 42.0 | 41.9 | 41.5 | 41.1 | 40.7 | 40.0 | 38.7 | 37.5 |
| 72.5° | 37.4 | 37.3 | 36.9 | 36.5 | 36.1 | 35.5 | 34.6 | 33.6 |
| 75° | 31.5 | 31.1 | 30.2 | 29.6 | 29.1 | 28.6 | 27.7 | 26.9 |
| 77.5° | 24.6 | 24.5 | 24.0 | 23.6 | 23.3 | 22.8 | 22.0 | 21.1 |
| 80° | 20.1 | 19.9 | 19.4 | 19.2 | 19.2 | 19.0 | 18.1 | 17.3 |
| 82.5° | 15.5 | 15.2 | 14.8 | 14.6 | 14.6 | 14.5 | 14.0 | 13.4 |
| 85° | 9.5 | 9.3 | 8.9 | 8.6 | 8.6 | 8.6 | 8.6 | 8.6 |
| 87.5° | 4.4 | 5.2 | 6.2 | 7.1 | 7.9 | 8.2 | 8.2 | 8.1 |
| 90° | 6.7 | 10.6 | 15.4 | 20.2 | 24.0 | 26.0 | 27.9 | 28.9 |
| 92.5° | 17.5 | 23.7 | 30.8 | 36.4 | 42.5 | 46.7 | 48.7 | 48.9 |
| 95° | 40.4 | 49.1 | 59.6 | 69.2 | 76.9 | 82.7 | 86.6 | 87.5 |
| 97.5° | 62.1 | 78.3 | 90.0 | 101.2 | 112.3 | 119.3 | 123.7 | 124.3 |
| 100° | 79.8 | 95.2 | 111.6 | 121.2 | 134.7 | 142.3 | 145.2 | 148.1 |
| 102.5° | 99.1 | 112.1 | 130.0 | 144.3 | 157.0 | 163.9 | 169.9 | 172.7 |
| 105° | 126.0 | 142.3 | 157.7 | 174.1 | 188.5 | 196.2 | 202.0 | 204.9 |
| 107.5° | 151.6 | 171.6 | 187.0 | 202.9 | 215.6 | 225.1 | 232.0 | 234.9 |
| 110° | 169.3 | 188.5 | 207.7 | 222.2 | 235.6 | 244.3 | 252.0 | 254.9 |

TEST NUMBER: P709346

CATALOG NUMBER: DL2W-WB-M-050U-125D-930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

| | 110° | 120° | 130° | 140° | 150° | 160° | 170° | 180° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 112.5° | 186.2 | 206.2 | 227.0 | 243.0 | 255.6 | 266.6 | 272.0 | 277.2 |
| 115° | 209.7 | 231.8 | 253.0 | 273.2 | 286.6 | 294.3 | 299.1 | 303.0 |
| 117.5° | 230.4 | 252.8 | 274.5 | 294.7 | 308.5 | 314.9 | 317.8 | 321.4 |
| 120° | 244.3 | 267.4 | 287.6 | 307.8 | 323.2 | 331.8 | 334.7 | 337.6 |
| 122.5° | 257.4 | 279.7 | 300.7 | 320.1 | 335.5 | 344.9 | 349.3 | 351.4 |
| 125° | 275.1 | 297.2 | 318.4 | 337.6 | 351.1 | 362.6 | 368.4 | 370.3 |
| 127.5° | 289.7 | 311.8 | 334.1 | 352.6 | 366.8 | 376.4 | 382.2 | 384.9 |
| 130° | 302.0 | 320.3 | 343.4 | 362.6 | 376.1 | 385.7 | 391.5 | 393.4 |
| 132.5° | 312.8 | 328.0 | 349.5 | 369.5 | 383.8 | 394.1 | 398.4 | 401.1 |
| 135° | 331.8 | 339.5 | 357.8 | 378.9 | 394.3 | 403.0 | 407.8 | 410.7 |
| 137.5° | 350.3 | 352.4 | 363.9 | 383.4 | 398.8 | 408.4 | 413.2 | 415.1 |
| 140° | 362.6 | 361.6 | 369.3 | 385.7 | 401.1 | 410.7 | 415.5 | 417.4 |
| 142.5° | 376.4 | 373.2 | 377.0 | 388.8 | 402.6 | 412.2 | 417.8 | 419.0 |
| 145° | 399.1 | 390.5 | 387.6 | 394.3 | 404.9 | 413.6 | 418.4 | 419.3 |
| 147.5° | 424.5 | 411.3 | 403.0 | 404.1 | 410.1 | 416.3 | 419.9 | 420.7 |
| 150° | 441.5 | 425.1 | 414.5 | 412.6 | 415.5 | 419.3 | 422.2 | 422.2 |
| 152.5° | 456.9 | 441.3 | 426.8 | 423.4 | 422.4 | 424.7 | 426.8 | 426.1 |
| 155° | 483.8 | 464.5 | 448.2 | 442.4 | 437.6 | 436.7 | 435.7 | 434.7 |
| 157.5° | 510.7 | 489.7 | 471.3 | 462.6 | 457.4 | 454.4 | 452.2 | 449.7 |
| 160° | 526.1 | 505.9 | 486.7 | 478.0 | 471.3 | 467.4 | 464.5 | 463.6 |
| 162.5° | 540.7 | 522.8 | 504.4 | 492.6 | 486.7 | 481.3 | 479.9 | 476.7 |
| 165° | 561.7 | 547.3 | 527.1 | 515.5 | 510.7 | 506.9 | 504.0 | 500.1 |
| 167.5° | 582.5 | 569.0 | 552.1 | 540.9 | 535.5 | 531.7 | 528.4 | 526.3 |
| 170° | 592.5 | 582.9 | 567.5 | 557.8 | 554.0 | 550.1 | 545.3 | 542.5 |
| 172.5° | 602.5 | 594.4 | 582.1 | 573.2 | 571.7 | 567.1 | 565.3 | 561.7 |
| 175° | 614.6 | 609.8 | 600.2 | 595.4 | 595.4 | 593.4 | 593.4 | 588.6 |
| 177.5° | 623.1 | 621.5 | 615.4 | 612.3 | 614.6 | 614.6 | 613.8 | 611.5 |
| 180° | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 | 626.1 |

(END OF REPORT)